

Notice of Allowability

Application No.

10/724,728

Examiner

Phillip H. Nguyen

Applicant(s)

MARTIN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/17/2008.
2. ☒ The allowed claim(s) is/are 1-10, 12-22 and 24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other ____. |

DETAILED ACTION

1. This action is in response to the amendment filed 3/17/2008.
2. Claims 11, 23, and 25-31 have been canceled; claims 1-10, 12-22, and 24 are allowed.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Phillip J. Articola (Registration No. 38,819) on 3/17/2008. The examiner's amendment is necessitated for further clarifying the claimed invention.

Claims 1, 10, 12, 13, 22, and 24 have been amended as follow:

1.(Currently Amended) A method of mapping and displaying process objects at different levels of abstraction, comprising:

correlating business level objects to application level objects and correlating application level objects to data/observer level objects;

associating and storing source data with indications for both the business level objects, ~~and~~ the application level objects, and the data/observer level objects; and

displaying the stored data associated with ~~both~~ the business level objects ~~and~~ the application level objects, and the data/observer level objects,

wherein the business level objects, ~~and~~ the application level objects, and the data/observer level objects are respectively stored and displayed on a display as a plurality of nodes at different levels of abstraction, with correlations between the application level objects ~~and~~ the business level objects, and the data/observer level objects being accomplished by linking one or more nodes of the application level objects to one or more nodes of the business level objects and by linking one or more nodes of the application level objects to one or more nodes of the data/observer level objects at different levels of abstraction, and

wherein the source data is linked to one or more of the plurality of nodes:

wherein the step of displaying the stored data associated with ~~both~~ business level objects, ~~and~~ the application level objects, and the data/observer level objects comprises automatically generating alerts or reports based on predetermined criteria, and wherein the step of displaying the stored data associated with ~~both~~ the business level objects, ~~and~~ the application level objects, and the data/observer level objects comprises:

displaying, on a first display screen, one or more of the business level objects as ~~connected links~~ lines connecting icons that are displayed on the first display screen; and

displaying, as ~~connected links~~ lines connecting icons that are displayed on a second display screen when one of the ~~connected links~~ lines connecting icons on the first display screen is selected by a user, one or more of the application level objects that are correlated with the one or more of the business level objects,

wherein the business level objects, the application level objects, and the data/observer level objects are correlated with each other by way of the lines connecting icons on the display.

10. (Currently Amended) The method according to claim 1, wherein the step of displaying the stored data associated with ~~both~~ the business level objects, ~~and the application level objects, and the data/observer level objects~~ comprises filtering and/or aggregating the stored data responsive to a user's query.

12. (Currently Amended) The method according to claim 1, wherein the predetermined criteria comprise one of a number of users accessing an object at any level of abstraction, a response time for web based interaction, or a termination of a user session at a particular point in a web based interaction, the method further comprising:

displaying, as ~~connected links~~ lines connecting icons on a third display screen when one of the ~~connected links~~ lines connecting icons on the second display screen is selected by a user, one or more of a lower level of application level objects that are correlated with the one or more of the application level objects displayed on the second

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display screen.

13. (Currently Amended) A storage device having program code recorded thereon for mapping and displaying process objects at different levels of abstraction, the program code configured to cause a computing system to perform the steps comprising:

correlating business level objects to application level objects and correlating application level objects to data/observer level objects;

associating and storing source data with indications for ~~both~~ the business level objects, ~~and~~ the application level objects, and the data/observer level objects; and

displaying the stored data associated with ~~both~~ the business level objects, ~~and~~ the application level objects, and the data/observer level objects,

wherein the business level objects, ~~and~~ the application level objects, and the data/observer level objects are respectively stored and displayed on a display as a plurality of nodes at different levels of abstraction, with correlations between the application level objects, ~~and~~ the business level objects, and the data/observer level objects being accomplished by linking one or more nodes of the application level objects to one or more nodes of the business level objects and by linking one or more nodes of the application level objects to one or more nodes of the data/observer level objects at different levels of abstraction, and

wherein the source data is linked to one or more of the plurality of nodes,

wherein the step of displaying the stored data associated with ~~both~~ the business level objects, ~~and~~ the application level objects, and the data/observer level objects

comprises automatically generating alerts or reports based on predetermined criteria, and wherein the step of displaying the stored data associated with ~~both~~ the business level objects, ~~and~~ the application level objects, and the data/observer level objects comprises:

displaying, on a first display screen, one or more of the business level objects as ~~connected links~~ lines connecting icons that are displayed on the first display screen; and

displaying, as ~~connected links~~ lines connecting icons that are displayed on a second display screen when one of the ~~connected links~~ lines connecting icons on the first display screen is selected by a user, one or more of the application level objects that are correlated with the one or more of the business level objects,

wherein the business level objects, the application level objects, and the data/observer level objects are correlated with each other by way of the lines connecting icons on the display.

22. (Currently Amended) The storage device according to claim 13, wherein the step of displaying the stored data associated with ~~both~~ the business level objects, ~~and~~ the application level objects, and the data/observer level objects comprises filtering and/or aggregating the stored data responsive to a user's query.

24. (Currently Amended) The storage device according to claim 13, wherein the predetermined criteria comprise one of a number of users accessing an object at any level of abstraction, a response time for web based interaction, or a termination of a

user session at a particular point in web based interaction, the method further comprising:

displaying, as ~~connected links~~ lines connecting icons on a third display screen when one of the ~~connected links~~ lines connecting icons on the second display screen is selected by a user, one or more of a lower level of application level objects that are correlated with the one or more of the application level objects displayed on the second display screen.

EXAMINER'S STATEMENT OF REASON(S) FOR ALLOWANCE

4. The following is a statement of reasons for the indication of allowable subject matter.

The prior art of record, i.e. Hall et al. (United States Patent No. 7,151,438), taken alone or in combination with other prior art fails to teach or reasonably suggest in combination with other claimed limitations *displaying, on a first display screen, one or more of the business level objects as lines connecting icons that are displayed on the first display screen; displaying, as lines connecting icons that are displayed on a second display screen when one of the lines connecting icons on the first display screen is selected by a user, one or more of the application level objects that are correlated with the one or more of the business level object, wherein the business level objects, the application level objects, and the data/observer level objects are correlated with each*

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other by way of the lines connecting icons on the display as recited in the independent claims 1 and 13.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phillip H. Nguyen whose telephone number is (571) 270-1070. The examiner can normally be reached on Monday - Thursday 10:00 AM - 3:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PN

3/17/2008

/Wei Zhen/
Supervisory Patent Examiner, Art Unit 2191